



## Table of Contents

Overview and Installation	2
Setting Up the Price Groups	3
Using Contract Pricing	3
Defining the Customers	4
Setting Up the Items and Pricing	5
Item Pricing Grid Reports	7
Technical Information and Support	9

# Overview and Installation

The Item Pricing Grid (IPG) is an added option for Inventory Maintenance. This module from Data Developers Plus facilitates the implementation of the Pro Series pricing schemes for the Customer and Item setup process.

## Installing the Item Pricing Grid

**If supplied with a Zip file:**

1. Using Winzip, extract to the root of Pro Series. Make certain that the option for "Use Folder Names" in Winzip is checked so that the files are extracted into the correct directories.
2. Go into System Manager and import the data dictionary. Choose the DICT directory off the root of Pro that was created when you extracted the zip file.
3. Update from Data Dictionary (all users need to be out for this step).

**If supplied with an installation executable:**

Run the Item Pricing Grid...exe file by either double clicking on it or from the Start-Run menu. Follow the prompts to install the Item Pricing Grid in the Pro Series directory. When given the prompts to update the data dictionary, you must choose to update the IC module and reindex.

If you don't want the setup routine to automatically install the files into the Pro Series directory, you can simply answer No to the question "Do You Wish to Install the Item Pricing Grid Now?" when Foxpro launches during the install. If you answer no, everything will be in an "IPG" directory in the Pro Series directory you chose. When you are ready for the programs to be copied into the appropriate directories, run ipgcopy.exe in the root of Pro. Again, you would only run the ipgcopy.exe if you answered no to the install files question. A reason you would answer no to this question is if you wanted to view the programs the setup routine will be installing prior to copying them into your live Pro Series area.

### **Create file in root of Pro Series installation to turn on the Item Pricing Grid**

Using command prompt or Windows Explorer, create a file IPG.CMB in the root folder of the Pro Series installation. This file must be present for the Item Pricing Grid to work in Pro Series 7.3 and higher.

### **Add Custom Menu Options for the Item Pricing Grid**

1. Go into System Manager.
2. Maintain - Setup - System Installation.
3. Click on the Custom button.
4. Click on Edit and add a custom menu option with Menu Text of Item Pricing Grid and a command line of DO (gc\_icprgdv + "ICIPG"). (If you only want specific users to have this available, add the menu option to each user in User Maintenance.)
5. Save the changes.

Add these custom menu options for the Item Pricing Grid reports:

Menu Text = Cust Price List  
Command line = DO (gc\_icprgdv + "ICIPGRP") WITH "A"

Menu Text = Cust Price Group,  
Command line = DO (gc\_icprgdv + "ICIPGRP") WITH "B"

Menu Text = Item Price Group  
Command line = DO (gc\_icprgdv + "ICIPGRP") WITH "C"

Click Save. Exit Pro Series and log back in - the Item Pricing Grid will be installed.

## Setup the Price Groups

The first step is to establish pricing groups. A price group is started in the following screen:

The screenshot shows the 'Item Pricing Grid Main Screen' window. The title bar reads 'Item Pricing Grid Main Screen'. The interface includes a menu bar with buttons for 'Select', 'Fwyd', 'Back', 'Edit', 'Delete', 'Items', 'Custs', and 'Copy', along with a standard Windows toolbar. Below the menu bar, there are several input fields: 'IPG ID' with the value 'SALE2', 'Description' with the value 'Sale we will have in April', 'Valid' options (radio buttons for 'Forever' and 'Date Range', with 'Date Range' selected), 'Start Date' with the value '04/01/01', 'End Date' with the value '04/30/01', and a 'Contract Price' checkbox. A text area below these fields contains the text: 'We will give all MISC customers these sale prices for the month of April 2001.' A red arrow points to the 'Contract Price' checkbox.

First: define a Price Group (IPG ID) along with a description.

Second: determine how long this price group is valid. Forever, or a Date Range (useful for special "sale" pricing), can be determined. A detailed note about the price group can be entered.

A price group can also be defined as a contract price group. With this definition a customer will receive the defined contract price regardless of other prices entered in the system. Therefore, if the list price drops below the contract price (such as in the petroleum industry), the customer would continue to be invoiced at the contract price. A contract price can be used with a date range to allow new contract prices to be negotiated and activated on a prescribed starting date without interfering with a current contract price. This option also provides an audit trail of negotiated contract prices.

## Defining the Customers

The next step is to determine which customers will belong to a price group. Select the Custs button on the main screen - this customer screen will be displayed:

Type	Cust #	Territory	Misc Code	Type

A price group can be specified for "all", "set", or "specific" customers.

A "set" of customers is defined by any combination of Territory, Misc. Code, and Type from the customer master screen.

Rules can be established for the Territory field to validate data entries. The rule for Territory is "TERR". Rules for the Misc. Code / "CSTCODE" and Type / "CSTTYPE" fields can be added code modifications to the FORM. Contact DDP for more information.

Any number of customer "sets" and customers can be attached to a given pricing group.

## Setup Up the Items and Pricing

Items are defined on the screen below after customers have been set up.

“Sets” of items, or specific items that will be included in this price group are defined on this screen. Each item record can be setup to determine the price based on one of five possible methods: Discount Percent, Fixed Price, Cost Markup, Price Discount, or Markup Percent. Each method is calculated the same as the Pro Series standard pricing scheme.

An item “set” is determined by any combination of Product Line, Item Class, or Misc Code. Product Line is validated when it is turned on. Class and Misc Code are validated by setting up rules. The rule for Class is “CLASS” and for Code it is “ITMCODE”. Currently only Class and Product Line are validated within Inventory Maintenance, but a simple modification to the Item settings screen will allow validation of the Code field as well. Please contact DDP for more information.

A minimum of one and up to six quantity breaks can be established in the Item screen by clicking on the Qty Breaks button. The following screen appears:

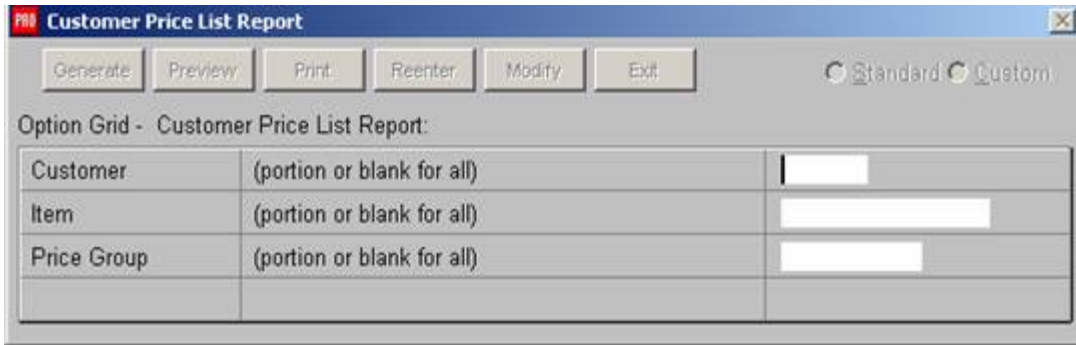
Levels	Beginning Quantity	Ending Quantity	Factor %	Unit Price
1	1	99999999	0.000	0.00
2	0	0	0.000	0.00
3	0	0	0.000	0.00
4	0	0	0.000	0.00
5	0	0	0.000	0.00
6	0	0	0.000	0.00

A factor percentage, dollar amount, or a fixed unit price can be entered based on the pricing scheme that has been entered. The unit price will be calculated based on the entered data when creating a Sales Order or Invoice.

# IPG Reports

There are 3 reports in the Item Pricing Grid module. They can be run from the custom menu pad.

1. Customer Price List. Command line for custom menu option = DO (gc\_icprgdv + "ICIPGRP") WITH "A".



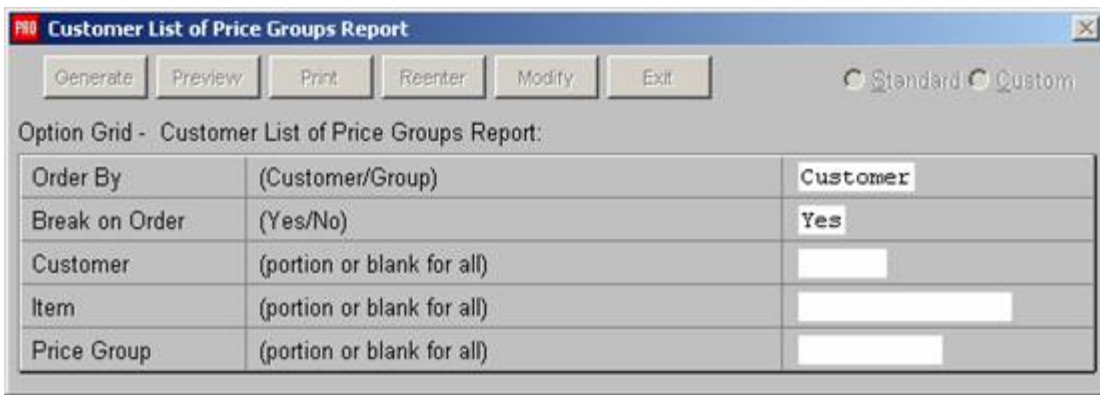
Page: 1  
Date: 05.09.02 at 3:40 PM

Professional Software, Inc.  
Customer Price List

Customer: ACP1 / American Computer Products

IPG ID	Item	Description	Price
TEST	A2EW	Uninterruptible Power Supply Protection	224.99
TEST	HD11.5G	11.5 GB EIDE Ultra DMA 9.0ms Hard Disk Drive	499.99
TEST	TESTITEM	Test Item	0.00

2. Customer Price Group, Command line = DO (gc\_icprgdv + "ICIPGRP") WITH "B".



Page: 1  
Date: 05.09.02 at 3:44 PM

Professional Software, Inc.  
Customer List of Price Groups ordered by Customer

IPG ID	Description	Cust #	Company
TEST	This is a test	ACP1	American Computer Products

3. Item Price Group, Command line = DO (gc\_icprgdv + "ICIPGRP") WITH "C".

Order By	(Item/Group)	Item
Break on Order	(Yes/No)	Yes
Item	(portion or blank for all)	
Customer	(portion or blank for all)	
Price Group	(portion or blank for all)	

Page: 1  
Date: 05/09/02 at 3:47 PM

Professional Software, Inc.  
Item List of Price Groups ordered by Item

Item	Description	Cost	IPG ID	Price
A2EW	Uninterruptible Power Supply Protection	38.70775	TEST	224.99250
HD11.5G	11.5 GB EIDE Ultra DMA 9.0ms Hard Disk Drive	206.11000	TEST	499.99000
TESTITEM	Test Item	0.00000	TEST	0.00000

# Technical Information

A "hook" methodology is used to implement the Item Pricing Grid because only one line of code within Pro Series is required to activate the process. Consequently, Pro Series will use the "standard" pricing scheme to calculate a price to then be followed by the Item Price Grid routine that will attempt to calculate a lower price as compared to the first calculated price. If the attempt succeeds the routine will then return the lower price. This process is quick through the use of Rushmore and SQL. Thousands of price groups can be established and the IPG will calculate the best price with no perceptible lag time in the routine. Source code for the SM module is required to add 3 lines of code to a single program in the Pro Series API. You will need to copy in G\_GETIPG.PRG and G\_GETPRC.PRG and regenerate your SBTPROC.PRG file if modifications have been made to the API (^ PROC).

## Program Listing

### *Root Directory*

IPGMAIN.PRG/FXP (Pro5 Only)  
g\_getipg.prg  
g\_getprc.prg  
SBTAPI.VCX/VCT  
SBTPROC.FXP

Main calling program located in the root of Pro  
Custom IPG function to gather IPG pricing in SBTPROC  
Modified Pro Series function to call g\_getipg function  
Inclusion of modified SBTPROC functions for MDI  
Inclusion of modified SBTPROC functions

### *IC Directory*

ICIPG.PRG/FXP  
ICIPG.SCX/SCT/SPR/SPX/H  
ICIPG2.SCX/SCT/SPR/SPX/H  
ICIPGA.FRX/FRT  
ICIPGB.FRX/FRT  
ICIPGC.FRX/FRT  
ICIPGC.SCX/SCT/SPR/SPX/H IPG  
ICIPGI.SCX/SCT/SPR/SPX/H IPG  
ICIPGI2.SCX/SCT/SPR/SPX/H IPG  
ICIPGRP.PRG/FXP  
ICIPGST.SCX/SCT

Program for IPG Maintenance Screen  
IPG Maintenance Screen  
IPG Copy Screen  
Customer Price List Report Form  
Customer Price Group Report Form  
Item Price Group Report Form  
Customer Maintenance Sub-screen  
Item Maintenance Sub-screen  
Item Quantity Breaks Sub-screen  
IPG Report Program  
IPG Search Screen

## Technical Support

support@ddpcorp.com

702-487-9711 x303

**See our website for other Sage Pro Series add on workflow solutions  
[www.ddpcorp.com](http://www.ddpcorp.com)**

Sage Pro Series is a registered trademark of Sage Software Corp.

Product specifications, availability and price are subject to change without notice.